

ECS Configuration Change Request

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1. Originator Randy Miller	2. Log Date: 1/15/98	3. CCR #: 99-0038	4. Rev: -	5. Tel: x0400	6. Off: 2078	7. Org. Dev/CO
8. Title of Change: Deliver Silver Patch (4PX.19) to SMC for Distribution to EDC and Mini-DAAC						
9. Originator Signature <i>Randy Miller</i>	10. Date: 1/15/99	11. Class II	12. Type: CCR	13. Need Date: 1/15/99		
14. Office Manager Signature <i>John S. ...</i>	15. Date: 1/15/99	16. Date CCB Decision Needed: 1/15/99	17. Category of Change: Update Baseline	18. Priority: Emergency		
19. Documentation/Drawings Impacted: Patch Documentation Attached		20. Schedule Impact: None	21. CI(s) Affected: DMS, INS, STMGT			
22. Release Affected: 4PX	23. Date due to Customer: 1/15/99	24. Impl. Date: 1/15/99	25. Effectivity of Change: 1/15/99	26. Est. Cost None		
27. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> GSFC CCR <input type="checkbox"/> Tech Ref. <input type="checkbox"/> Other: 19916 and 19778						
28. Description of Change: (use additional Sheets if necessary) Fixes for problems in the V0 Gateway and the ftp Servers are being made to the 4PX baseline.						
29. Proposed Solution: (use additional sheets if necessary) Merge the required files to the 4PX (Jade) Maintenance Branch, build, run the delivery scripts, and deliver the Sun and SGI tar files to the SMC for distribution to EDC and Mini-DAAC.						
30. Alternate Solution: (use additional sheets if necessary) Do not patch 4PX.						
31. Consequences if Change(s) are not approved: (use additional sheets if necessary) The V0 Gateway fix is required for I&T9C testing; the ftp Server problems impact ETE at all sites.						
32. Does Change Affect Any of the following (Please Explain on additional sheet): <input type="checkbox"/> Maintenance Training <input type="checkbox"/> Performance <input type="checkbox"/> Operation Training <input type="checkbox"/> Safety <input type="checkbox"/> Service <input type="checkbox"/> Support <input type="checkbox"/> Test <input type="checkbox"/> Baseline (XRP) <input type="checkbox"/> Y2K Compliance						
33. Organization(s) Affected: <input type="checkbox"/> CM <input checked="" type="checkbox"/> Clearcase SG <input type="checkbox"/> Contracts <input type="checkbox"/> Chief Eng <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input type="checkbox"/> QO <input checked="" type="checkbox"/> Rel Dev <input type="checkbox"/> Procurement <input type="checkbox"/> RTSC <input checked="" type="checkbox"/> Sci. Data Eng <input type="checkbox"/> Security <input type="checkbox"/> Sys. Dev. <input type="checkbox"/> Sys. Eng. <input type="checkbox"/> Sys Verf Acpt <input type="checkbox"/> Other						
34. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> Mini-DAAC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> Other						
35. Board Comments:				36. Work Assigned To:		
37. Release Authorized (For CM Use Only): <input type="checkbox"/> Yes <input type="checkbox"/> No			38. CM Verified/Signature and Date			
39. EDF/REL2 CCB Chair (Sign/Date): <i>[Signature]</i> 1/15/99		40. Disposition: <input checked="" type="checkbox"/> App <input type="checkbox"/> Ap/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ECS <input type="checkbox"/> Fwd/ESDIS		41. ESDIS ERB Concurrence:		
42. ECS CCB Chair (Sign/Date):		43. Disposition: App <input type="checkbox"/> A/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/>		44. CCR Closed Date:		

CM01 August 27, 1998

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ECS/EDF/REL2 CCB

NCR ID: ECSed19916 Status: REVIEW-ASSIGNED
NCR Class: REL_B0_INFORMAL Project: RelB0_DMS

Submit Date: 981224
Enclosures: 2

NCR TITLE....

V0-ECS: Spatial searches broken unless AOI same shape as data.

DETECTION INFORMATION....

Build Name[*]: Drop 4PX.16
Test Site[*]: VATC
Detection Method[*]: Planned Test
Detected-In-Phase[*]: System Verificatio
Build ID:
Test Case ID:
Platform ID: tlins01
Severity (1=Showstopper)[*]: 2
Need fix by [*]: Critical
Mode [*]: TS2
Trouble Ticket:

REVIEW-ASSIGN INFORMATION....

Evaluate Engineer: gswope
Assigned To: perabell
Iteration [*]: Drop 4PY

484.19

SUBMITTER INFORMATION....

Submitter: lcase

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NCR ID: ECSed19916 Status: REVIEW-ASSIGNED
NCR Class: REL_B0_INFORMAL Project: RelB0_DMS

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***** Problem *****

Searching for the V0 Web Client or B0SOT, doesn't matter which, if the user specifies a polygon and the L7 dataset, the search works correctly. If they specify a bounding rectangle, it doesn't. The reason is that the mapping of the spatial attributes in DmGwAttributeMap is hardcoded. A RANGLE LOC is mapped as BoundingBox and a POLYGON LOC is mapped as a GPolygon. The DmGwAttributeMap should go to the DDICT and look at the shape of the spatial attribute for the collection and use that as the name in the search to the SDSRV. This will allow the SDSRV to search

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the correct table when looking for data.

If a collection doesn't have a spatial attribute, the spatial search condition should be dropped from the search to the SDSRV. This is related to NCR 19333 that was in the V0 Client bin.

***** Impact *****

The user would have to know what shape each dataset was and draw the correct shape and restrict by all collections with a common shape. This is not acceptable since the user doesn't have this information available to him unless he already knows it.

Resolution...

***** History *****

xddts	981224	114240	Submitted to RelB0_DMS by lcase
xddts	981224	114703	Enclosure "Problem" added by lcase
xddts	981224	114806	Enclosure "Impact" added by lcase
xddts	990104	171924	N -> A (Assigned-to perabell) by gswope

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NCR ID: ECSed19778 Status: ASSIGNED-TEST
NCR Class: REL_B0_INFORMAL Project: RelB0_STMGT

Submit Date: 981218
Enclosures: 6

NCR TITLE....

Larry server ingest failure due to ftp change

DETECTION INFORMATION....

Build Name[*]: Drop 4PX.10
Test Site[*]: GSFC DAAC
Detection Method[*]: Engineering Test
Detected-In-Phase[*]: DAAC Activity
Build ID: 4PX.10
Test Case ID:
Platform ID: g0icg01.gsfc.ecs.na
Severity (1=Showstopper)[*]: 1
Need fix by [*]: Emergency
Mode [*]: TS1
Trouble Ticket:

REVIEW-ASSIGN INFORMATION....

Evaluate Engineer: mwong
Assigned To: jcrawfor
Iteration [*]: Drop 4PY

SUBMITTER INFORMATION....

Submitter: jburt

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NCR ID: ECSed19778 Status: ASSIGNED-TEST
NCR Class: REL_B0_INFORMAL Project: RelB0_STMGT

TO BE FIXED INFORMATION....

Problem Type[*]: source code
Recommended Change[*]: source code
Est. Fix Time (Hrs): 4
Est. Compl. Date (yyymmdd): 981223
Related NCR ID: N/A

RESOLUTION INFORMATION....

Resolution[*]: source code
Resolved by: jcrawfor
Indicate_SLOC[*]: Added
Num_SLOC: 8
Fixing Time (hrs): 4
Documentation affected (Y/N)? N
Affect CSCI: STMGT
Merge Build Id: N981223002

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***** Problem *****

During attempts to verify that Ingest can properly poll and ingest MODIS ancillary data files from the larry server, failures occurred due to an illegal ftp PORT command sent to the larry server. The fix documented in ECSed18069 and delivered in 4PX.10 has caused the interface with larry server to fail.

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***** Impact *****

The failure of the interface with larry server means that GDAAC cannot become operational.

***** Status 981221 - JChang (Added 981221 by jchang) *****

This NCR should be forwarded to Storage Management. They are currently evaluating the problem with GSFC personnel. This problem deals with the ftp process running on the Larry server.

***** Analysis *****

Please describe your Analysis:

The ACG01 server at Goddard is a dual-port host. Since gethostbyname() returns a list of addresses, on ACG01 the list includes two entries, not one. The current implementation of the FTP client uses only the first returned address to connect to the remote FTP daemon. Since the IP address selected does not match the IP address through which the network connection was made, the remote FTP daemon is refusing the PORT command. The code needs to be modified to try each of the IP addresses in turn, until either a successful PORT connection is made or the list is exhausted, whichever comes first.

***** Previous Merge Build IDs *****

Please enter any related Merge Build ID(s) information:

- 1)
- 2)
- 3)
- 4)

***** Resolution *****

Please describe your resolution to this problem:

Added a loop to step through the entire list of IP addresses returned by gethostbyname(). PORT is tried on each one, in succession, until either the PORT command succeeds, or the list is exhausted. A new socket is created (and cleaned up) for each address attempted.

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***** History *****

xddts 981218 182136 Submitted to RelB0_INGST by jburt
xddts 981218 182558 Enclosure "Problem" added by jburt
xddts 981218 182702 Enclosure "Impact" added by jburt
xddts 981221 105821 N -> A (Assigned-to jchang) by mwong
xddts 981221 123931 Fields modified by sbarrier
xddts 981221 135601 Enclosure "Status 981221 - JChang" added by jchang
xddts 981221 140108 Forwarded from RelB0_INGST to RelB0_DDIST by jchang
xddts 981221 144905 Forwarded from RelB0_DDIST to RelB0_STMGMT by jchang
xddts 981223 133145 Enclosure "Analysis" added by mwong
xddts 981223 133145 A -> R (Recommend-change = source code) by jcrawfor
xddts 981223 133147 Fields modified by jcrawfor
xddts 981223 140212 Enclosure Previous Merge Build IDs added by jcrawfor
xddts 981223 140305 Enclosure Resolution added by jcrawfor
xddts 981223 140305 R -> T by jcrawfor
xddts 990110 215717 Fields modified by jboliek

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